Online Appendix *for*

"How Costs Limit Contraceptive Use among Low-Income Women in the U.S.: A Randomized Control Trial"

June 23, 2023

Section A1. Transitions in Contraceptive Method Use

Appendix Table A1.1. Voucher Amounts by Income Group and Study Phase

Income as Share of Federal Poverty Line (FPL)	Sliding Scale: % of Fee Charged	Randomly Assigned Voucher Amounts toward Remaining Out of Pocket Cost			
		50% Phase		100% Phase	
		Control	Treatment	Control	Treatment
$\leq$ 100%	0%				
101-150%	25%	$0	$123	$0	$223
151-200%	50%	$0	$246	$0	$446
201-250%	75%	$0	$369	$0	$669
$\geq$ 251%	100%	$0	$492	$0	$892

Notes: Participants in the 50% phase received vouchers between August 20, 2018, and March 3, 2019. Participants in the 100% phase received vouchers between March 4, 2019, and November 3, 2019. The tablet customized voucher amounts to each patient's out-of-pocket costs for contraceptives based on PPMI's assessment of their income. Patients who were below the FPL (fee scale 1/A) are not charged for contraceptive services and are, therefore, excluded from the study. Uninsured patients with incomes at 101-150% of the federal poverty line (FPL, fee scale 2) pay 25% of PPMI prices; 151-200% (fee scale 3) pay 50%; 201-250% (fee scale 4) pay 75%; and above 250% (fee scale 5) pay 100%.

Appendix Table A1.2. Method Transitions

A. Contraceptive Switching Matrix, 50% Treatment Group

Most Effective Birth Control Method Pre-Visit	Most Effective Method Billed Post-Visit and within 100 Days of Enrollment[1]						
	LARC	Shot	Pill	Ring/Patch	Non-Hormonal[2]	Did not purchase BC at PPMI	Total
LARC	5	0	6	2	0	27	40
Shot	2	11	0	1	0	2	16
Pill	10	0	80	2	0	20	112
Ring/Patch	1	0	1	5	0	2	9
Non-Hormonal[2]	12	6	27	5	1	22	73
No Method[3]	11	13	25	0	0	22	71
Total	41	30	139	15	1	95	321

	Total	Share of Total
Switched to more effective	113	0.352
Stayed on same method	102	0.318
Switched to less effective	11	0.034
No purchase of BC at PPMI	95	0.296

B. Contraceptive Switching Matrix, 50% Control Group

Most Effective Birth Control Method Pre-Visit	Most Effective Method Billed Post-Visit and within 100 Days of Enrollment[1]						
	LARC	Shot	Pill	Ring/Patch	Non-Hormonal[2]	Did not purchase BC at PPMI	Total
LARC	2	0	3	1	1	38	45
Vasectomy/Sterilization	0	0	0	0	0	1	1
Shot	0	16	2	0	0	1	19
Pill	6	2	48	2	0	45	103
Ring/Patch	0	0	1	5	0	0	6
Non-Hormonal[2]	9	7	18	7	0	34	75
No Method[3]	5	9	16	5	0	34	69
Total	22	34	88	20	1	153	318

	Total	Share of Total
Switched to more effective	85	0.267
Stayed on same method	71	0.223
Switched to less effective	9	0.028
No purchase of BC at PPMI	153	0.481

[1]Post-enrollment birth control methods come from the PPMI billing records. [2]Non-Hormonal includes: diaphragm, condom, withdrawal, rhythm, spermicide. [3]Baseline no method includes: abstinence, Plan B, abortion, miscarriage, and no method reported

C. Contraceptive Switching Matrix, 100% Treatment Group

Most Effective Method Billed Post-Visit and within 100 Days of Enrollment[1]							
Most Effective Birth Control Method Pre-Visit	LARC	Shot	Pill	Ring/Patch	Non-Hormonal[2]	Did not purchase BC at PPMI	Total
LARC	19	0	10	2	0	39	70
Shot	4	26	1	0	0	3	34
Pill	19	5	94	3	0	25	146
Ring/Patch	2	0	2	5	0	2	11
Non-Hormonal[2]	32	8	30	9	1	39	119
No Method[3]	15	13	36	3	0	49	116
Total	91	52	173	22	1	157	496

	Total	Share of Total
Switched to more effective	178	0.359
Stayed on same method	145	0.292
Switched to less effective	16	0.032
No purchase of BC at PPMI	157	0.317

D. Contraceptive Switching Matrix, 100% Control Group

Most Effective Method Billed Post-Visit and within 100 Days of Enrollment[1]							
Most Effective Birth Control Method Pre-Visit	LARC	Shot	Pill	Ring/Patch	Non-Hormonal[2]	Did not purchase BC at PPMI	Total
LARC	4	0	10	2	0	47	63
Shot	0	21	1	0	0	6	28
Pill	5	4	60	1	0	62	132
Ring/Patch	1	0	0	8	0	3	12
Non-Hormonal[2]	6	12	28	2	1	60	109
No Method[3]	4	14	35	4	0	61	118
Total	20	51	134	17	1	239	462

	Total	Share of Total
Switched to more effective	115	0.249
Stayed on same method	94	0.203
Switched to less effective	14	0.030
No purchase of BC at PPMI	239	0.517

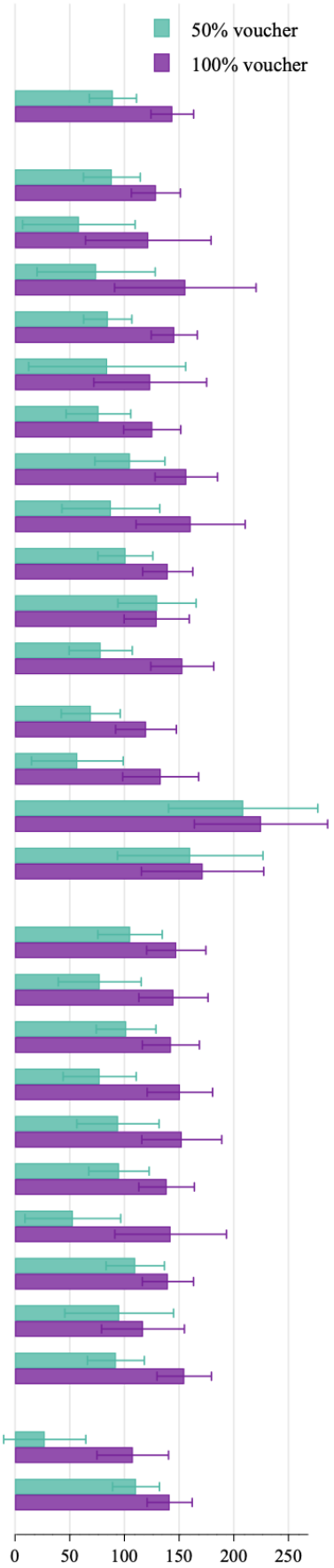
[1]Post-enrollment birth control methods come from the PPMI billing records. [2]Non-Hormonal includes: diaphragm, condom, withdrawal, rhythm, spermicide. [3]Baseline no method includes: abstinence, Plan B, abortion, miscarriage, and no method reported

Section A2. Heterogeneity in main paper results for each index component

Appendix Table A2.1. Heterogeneity in the Treatment Effects of Receiving a Voucher on the Five Primary Outcomes

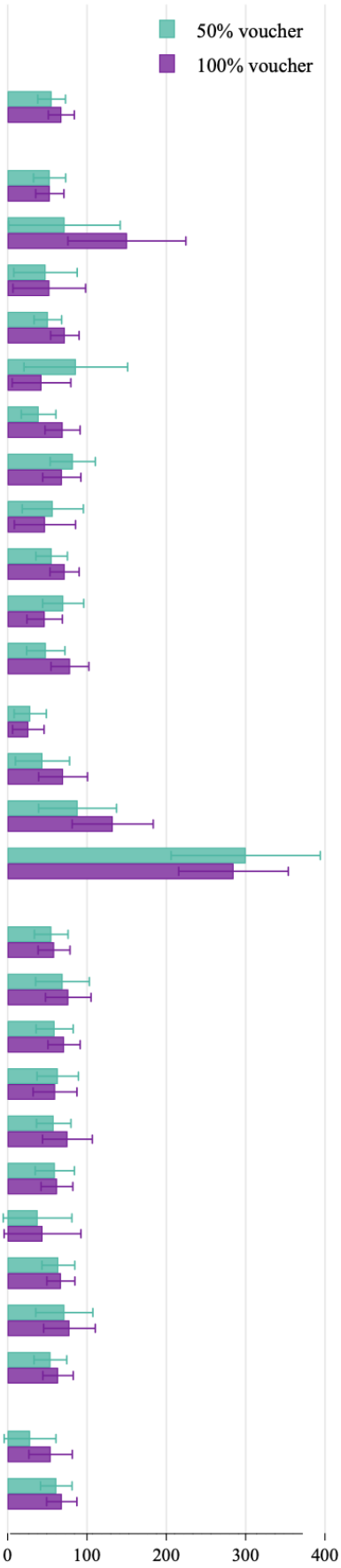
A. PPMI charges in dollars

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on PPMI charges	300	0.72 (0.03)	181 (25)	268 (33)	287	0.66 (0.02)	270 +++ (22)	413 +++ (29)
A. Pre-specified demographic groups								
Non-Hispanic White	309	0.73 (0.03)	200 (32)	274 (41)	308	0.69 (0.03)	281 + (28)	397 ++ (35)
Non-Hispanic Black	279	0.60 (0.09)	90 (54)	163 (73)	238	0.49 (0.07)	137 (51)	291 (70)
Hispanic any race	310	0.72 (0.08)	158 (72)	230 (86)	270	0.63 (0.07)	316 (70)	420 (89)
Women without children	311	0.74 (0.03)	184 (27)	263 (35)	286	0.66 (0.02)	274 ++ (24)	416 +++ (31)
Mothers	271	0.62 (0.07)	131 (70)	229 (99)	301	0.70 (0.06)	268 (59)	371 (79)
Age<26	309	0.71 (0.04)	159 (34)	235 (47)	281	0.63 (0.03)	229 (28)	353 + (37)
Age≥26	290	0.72 (0.04)	206 (37)	304 (47)	296	0.69 (0.03)	308 ++ (34)	463 ++ (43)
Below associate's degree	265	0.77 (0.06)	176 (52)	232 (61)	254	0.63 (0.05)	243 (47)	408 + (65)
Associate's degree or higher	300	0.74 (0.03)	211 (30)	302 (38)	299	0.73 (0.03)	305 ++ (29)	417 ++ (35)
Married or cohabitating	268	0.80 (0.04)	276 (43)	348 (49)	296	0.75 (0.03)	285 (38)	384 (45)
Single	311	0.70 (0.04)	153 (34)	243 (46)	287	0.69 (0.03)	297 +++ (33)	439 +++ (42)
Fee scale								
101-150% FPL	312	0.75 (0.04)	157 (34)	216 (43)	307	0.66 (0.03)	249 ++ (32)	368 ++ (44)
151-200% FPL	358	0.71 (0.05)	134 (59)	204 (77)	295	0.69 (0.04)	273 + (44)	393 + (52)
201-250% FPL	241	0.76 (0.07)	358 (70)	503 (84)	244	0.68 (0.06)	361 (65)	550 (76)
250+% FPL	203	0.59 (0.08)	186 (49)	325 (69)	257	0.62 (0.06)	254 (54)	441 (73)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	283	0.75 (0.03)	219 (34)	297 (42)	285	0.74 (0.03)	309 + (33)	420 + (39)
Do not have a usual place for birth control	331	0.71 (0.05)	174 (46)	256 (64)	295	0.67 (0.04)	272 + (37)	428 ++ (48)
Using Tier 1 or 2 method	276	0.74 (0.03)	201 (31)	281 (38)	283	0.70 (0.03)	291 ++ (31)	404 ++ (38)
Not using Tier 1 or 2 method	336	0.70 (0.04)	159 (42)	260 (57)	288	0.62 (0.03)	259 + (31)	434 ++ (44)
Delayed getting birth control	346	0.90 (0.04)	277 (60)	325 (66)	297	0.77 (0.04)	353 (48)	453 (55)
Did not delay getting birth control	280	0.68 (0.03)	181 (30)	266 (39)	287	0.68 (0.03)	270 ++ (29)	397 ++ (37)
Positive desire to have a baby	305	0.68 (0.06)	89 (50)	161 (68)	277	0.56 (0.05)	215 + (45)	394 ++ (72)
Negative desire to have a baby	293	0.75 (0.03)	229 (33)	323 (40)	295	0.75 (0.02)	302 + (30)	413 (35)
More likely to meet career aspirations	293	0.80 (0.05)	216 (59)	279 (74)	312	0.66 (0.04)	237 (47)	365 (60)
Less likely to meet career aspirations	301	0.73 (0.03)	195 (31)	277 (40)	282	0.71 (0.03)	314 +++ (29)	436 +++ (36)
C. Exploratory								
Planning to get a LARC before appointment	649	0.77 (0.06)	98 (110)	176 (124)	516	0.83 (0.05)	473 +++ (83)	555 ++ (86)
Not planing to get a LARC before appointment	247	0.70 (0.03)	186 (21)	273 (27)	256	0.63 (0.02)	225 (20)	363 ++ (27)



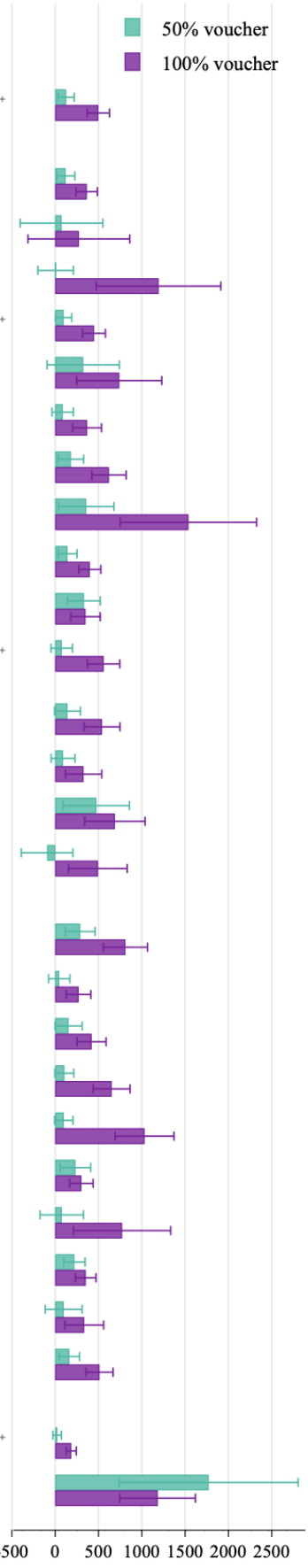
B. Any birth control purchase

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on any birth control purchase	0.52	0.72 (0.03)	0.18 (0.04)	0.29 (0.05)	0.48	0.66 (0.02)	0.19 (0.03)	0.33 (0.04)
A. Pre-specified demographic groups								
Non-Hispanic White	0.53	0.73 (0.03)	0.19 (0.04)	0.28 (0.05)	0.52	0.69 (0.03)	0.17 (0.04)	0.28 (0.05)
Non-Hispanic Black	0.45	0.60 (0.09)	0.14 (0.12)	0.32 (0.16)	0.35	0.49 (0.07)	0.21 (0.09)	0.53 (0.13)
Hispanic any race	0.60	0.72 (0.08)	0.10 (0.11)	0.28 (0.12)	0.55	0.63 (0.07)	0.18 (0.10)	0.29 (0.13)
Women without children	0.55	0.74 (0.03)	0.18 (0.04)	0.28 (0.05)	0.47	0.66 (0.02)	0.20 (0.03)	0.34 (0.04)
Mothers	0.40	0.62 (0.07)	0.16 (0.10)	0.35 (0.13)	0.55	0.70 (0.06)	0.13 (0.09)	0.23 (0.10)
Age<26	0.58	0.71 (0.04)	0.13 (0.05)	0.23 (0.06)	0.49	0.63 (0.03)	0.18 (0.04)	0.34 (0.06)
Age≥26	0.45	0.72 (0.04)	0.24 (0.06)	0.37 (0.07)	0.48	0.69 (0.03)	0.21 (0.05)	0.33 (0.06)
Below associate's degree	0.53	0.77 (0.06)	0.19 (0.09)	0.30 (0.10)	0.53	0.63 (0.05)	0.12 (0.08)	0.25 (0.10)
Associate's degree or higher	0.52	0.74 (0.03)	0.20 (0.04)	0.29 (0.05)	0.49	0.73 (0.03)	0.25 (0.04)	0.35 (0.05)
Married or cohabitating	0.50	0.80 (0.04)	0.28 (0.06)	0.35 (0.07)	0.57	0.75 (0.03)	0.20 (0.05)	0.26 (0.06)
Single	0.54	0.70 (0.04)	0.15 (0.05)	0.26 (0.07)	0.45	0.69 (0.03)	0.23 (0.04)	0.36 (0.06)
Fee scale								
101-150% FPL	0.62	0.75 (0.04)	0.11 (0.05)	0.18 (0.06)	0.62	0.66 (0.03)	0.08 (0.05)	0.16 (0.06)
151-200% FPL	0.54	0.71 (0.05)	0.15 (0.08)	0.24 (0.09)	0.47	0.69 (0.04)	0.21 (0.06)	0.33 (0.07)
201-250% FPL	0.45	0.76 (0.07)	0.30 (0.11)	0.40 (0.11)	0.36	0.68 (0.06)	0.32 (0.08)	0.48 (0.09)
250+% FPL	0.22	0.59 (0.08)	0.35 (0.10)	0.67 (0.11)	0.24	0.62 (0.06)	0.41 (0.08)	0.68 (0.08)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	0.54	0.75 (0.03)	0.19 (0.05)	0.30 (0.06)	0.53	0.74 (0.03)	0.22 (0.05)	0.31 (0.05)
Do not have a usual place for birth control	0.48	0.71 (0.05)	0.23 (0.07)	0.33 (0.08)	0.45	0.67 (0.04)	0.23 (0.05)	0.35 (0.07)
Using Tier 1 or 2 method	0.51	0.74 (0.03)	0.20 (0.05)	0.30 (0.06)	0.50	0.70 (0.03)	0.23 (0.04)	0.35 (0.05)
Not using Tier 1 or 2 method	0.51	0.70 (0.04)	0.17 (0.06)	0.32 (0.07)	0.47	0.62 (0.03)	0.15 (0.05)	0.28 (0.07)
Delayed getting birth control	0.59	0.90 (0.04)	0.32 (0.07)	0.35 (0.07)	0.47	0.77 (0.04)	0.27 (0.06)	0.36 (0.08)
Did not delay getting birth control	0.49	0.68 (0.03)	0.18 (0.05)	0.29 (0.06)	0.51	0.68 (0.03)	0.20 (0.04)	0.31 (0.05)
Positive desire to have a baby	0.53	0.68 (0.06)	0.12 (0.09)	0.20 (0.12)	0.46	0.56 (0.05)	0.06 (0.08)	0.20 (0.11)
Negative desire to have a baby	0.51	0.75 (0.03)	0.22 (0.05)	0.33 (0.05)	0.52	0.75 (0.02)	0.24 (0.04)	0.35 (0.05)
More likely to meet career aspirations	0.50	0.80 (0.05)	0.26 (0.08)	0.36 (0.09)	0.47	0.66 (0.04)	0.20 (0.06)	0.37 (0.08)
Less likely to meet career aspirations	0.53	0.73 (0.03)	0.19 (0.05)	0.28 (0.06)	0.51	0.71 (0.03)	0.22 (0.04)	0.32 (0.05)
C. Exploratory								
Planning to get a LARC before appointment	0.64	0.77 (0.06)	0.10 (0.10)	0.18 (0.11)	0.60	0.83 (0.05)	0.25 (0.08)	0.32 (0.08)
Not planing to get a LARC before appointment	0.50	0.70 (0.03)	0.19 (0.04)	0.31 (0.05)	0.47	0.63 (0.02)	0.18 (0.03)	0.32 (0.05)



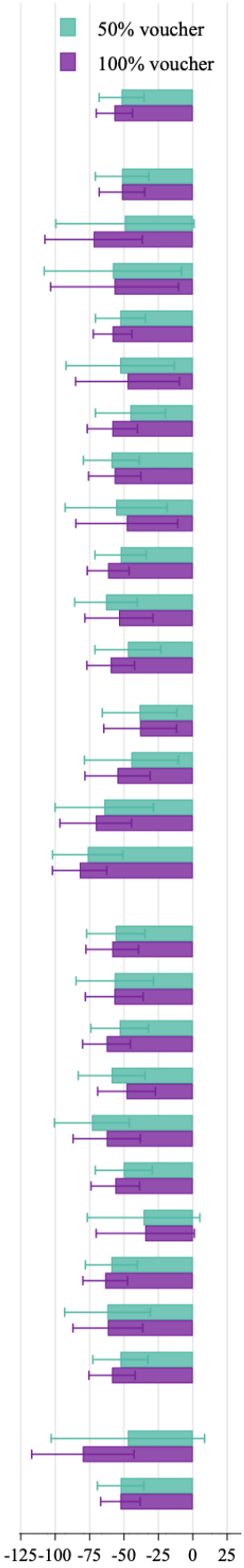
C. LARC insertion

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on larc insertion	0.07	0.72 (0.03)	0.05 (0.02)	0.09 (0.03)	0.04	0.66 (0.02)	0.14 +++ (0.02)	0.22 +++ (0.03)
A. Pre-specified demographic groups								
Non-Hispanic White	0.08	0.73 (0.03)	0.06 (0.03)	0.09 (0.04)	0.06	0.69 (0.03)	0.15 ++ (0.03)	0.20 ++ (0.03)
Non-Hispanic Black	0.03	0.60 (0.09)	0.01 (0.04)	0.02 (0.06)	0.02	0.49 (0.07)	0.01 (0.04)	0.05 (0.05)
Hispanic any race	0.10	0.72 (0.08)	0.03 (0.07)	0.01 (0.10)	0.02	0.63 (0.07)	0.21 + (0.06)	0.27 ++ (0.08)
Women without children	0.08	0.74 (0.03)	0.05 (0.03)	0.07 (0.04)	0.05	0.66 (0.02)	0.13 ++ (0.02)	0.20 +++ (0.03)
Mothers	0.04	0.62 (0.07)	0.07 (0.06)	0.14 (0.09)	0.03	0.70 (0.06)	0.19 (0.05)	0.23 (0.08)
Age<26	0.08	0.71 (0.04)	0.05 (0.03)	0.07 (0.05)	0.04	0.63 (0.03)	0.12 + (0.03)	0.17 (0.04)
Age≥26	0.06	0.72 (0.04)	0.06 (0.03)	0.11 (0.05)	0.04	0.69 (0.03)	0.16 ++ (0.03)	0.25 ++ (0.04)
Below associate's degree	0.04	0.77 (0.06)	0.11 (0.05)	0.14 (0.06)	0.01	0.63 (0.05)	0.13 (0.04)	0.23 (0.06)
Associate's degree or higher	0.07	0.74 (0.03)	0.06 (0.03)	0.10 (0.04)	0.05	0.73 (0.03)	0.15 ++ (0.03)	0.22 ++ (0.04)
Married or cohabitating	0.05	0.80 (0.04)	0.14 (0.04)	0.17 (0.05)	0.05	0.75 (0.03)	0.13 (0.04)	0.18 (0.05)
Single	0.07	0.70 (0.04)	0.03 (0.03)	0.05 (0.04)	0.04	0.69 (0.03)	0.16 +++ (0.03)	0.24 +++ (0.04)
Fee scale								
101-150% FPL	0.05	0.75 (0.04)	0.05 (0.03)	0.08 (0.04)	0.04	0.66 (0.03)	0.14 ++ (0.03)	0.22 ++ (0.04)
151-200% FPL	0.11	0.71 (0.05)	0.05 (0.05)	0.10 (0.08)	0.05	0.69 (0.04)	0.11 (0.04)	0.15 (0.05)
201-250% FPL	0.05	0.76 (0.07)	0.14 (0.07)	0.24 (0.10)	0.05	0.68 (0.06)	0.22 (0.06)	0.31 (0.08)
250+% FPL	0.07	0.59 (0.08)	-0.02 (0.05)	-0.06 (0.10)	0.04	0.62 (0.06)	0.12 ++ (0.05)	0.22 ++ (0.08)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	0.05	0.75 (0.03)	0.10 (0.03)	0.13 (0.04)	0.03	0.74 (0.03)	0.17 + (0.03)	0.24 + (0.04)
Do not have a usual place for birth control	0.11	0.71 (0.05)	0.04 (0.05)	0.05 (0.07)	0.07	0.67 (0.04)	0.12 (0.03)	0.18 (0.05)
Using Tier 1 or 2 method	0.05	0.74 (0.03)	0.05 (0.03)	0.07 (0.04)	0.04	0.70 (0.03)	0.13 ++ (0.03)	0.18 ++ (0.04)
Not using Tier 1 or 2 method	0.10	0.70 (0.04)	0.06 (0.04)	0.11 (0.06)	0.04	0.62 (0.03)	0.16 + (0.03)	0.27 ++ (0.05)
Delayed getting birth control	0.13	0.90 (0.04)	0.11 (0.06)	0.13 (0.07)	0.03	0.77 (0.04)	0.25 + (0.04)	0.33 ++ (0.05)
Did not delay getting birth control	0.04	0.68 (0.03)	0.07 (0.03)	0.10 (0.04)	0.05	0.68 (0.03)	0.11 (0.03)	0.16 (0.04)
Positive desire to have a baby	0.05	0.68 (0.06)	0.00 (0.04)	0.04 (0.07)	0.02	0.56 (0.05)	0.09 (0.04)	0.18 (0.07)
Negative desire to have a baby	0.07	0.75 (0.03)	0.10 (0.03)	0.14 (0.04)	0.06	0.75 (0.02)	0.15 (0.03)	0.21 (0.04)
More likely to meet career aspirations	0.06	0.80 (0.05)	0.05 (0.05)	0.06 (0.07)	0.05	0.66 (0.04)	0.11 (0.04)	0.16 (0.05)
Less likely to meet career aspirations	0.07	0.73 (0.03)	0.07 (0.03)	0.11 (0.04)	0.05	0.71 (0.03)	0.17 ++ (0.03)	0.24 ++ (0.04)
C. Exploratory								
Planning to get a LARC before appointment	0.50	0.77 (0.06)	0.06 (0.11)	0.11 (0.12)	0.29	0.83 (0.05)	0.46 +++ (0.08)	0.54 +++ (0.09)
Not planing to get a LARC before appointment	0.00	0.70 (0.03)	0.04 (0.01)	0.06 (0.02)	0.01	0.63 (0.02)	0.07 (0.01)	0.12 + (0.02)



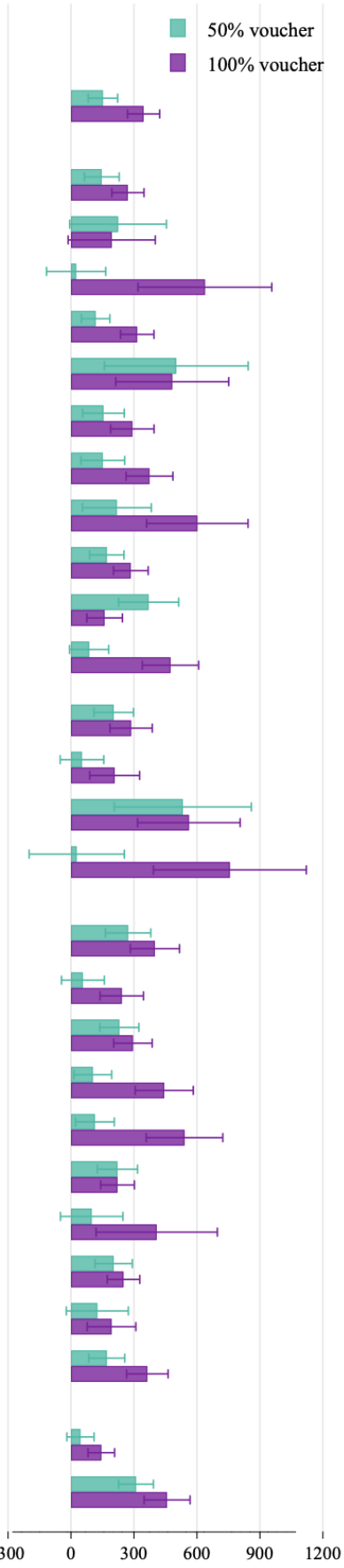
D. Expected annual pregnancies

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on expected annual pregnancies	0.52	0.72 (0.03)	-0.17 (0.03)	-0.27 (0.04)	0.55	0.66 (0.02)	-0.19 (0.03)	-0.32 (0.04)
A. Pre-specified demographic groups								
Non-Hispanic White	0.51	0.73 (0.03)	-0.18 (0.04)	-0.26 (0.05)	0.52	0.69 (0.03)	-0.17 (0.03)	-0.27 (0.04)
Non-Hispanic Black	0.58	0.60 (0.09)	-0.13 (0.11)	-0.29 (0.15)	0.68	0.49 (0.07)	-0.20 (0.09)	-0.49 (0.12)
Hispanic any race	0.45	0.72 (0.08)	-0.09 (0.10)	-0.26 (0.11)	0.50	0.63 (0.07)	-0.18 (0.09)	-0.28 (0.12)
Women without children	0.49	0.74 (0.03)	-0.17 (0.04)	-0.26 (0.05)	0.56	0.66 (0.02)	-0.20 (0.03)	-0.33 (0.04)
Mothers	0.63	0.62 (0.07)	-0.15 (0.10)	-0.33 (0.13)	0.50	0.70 (0.06)	-0.14 (0.08)	-0.24 (0.10)
Age<26	0.46	0.71 (0.04)	-0.12 (0.05)	-0.21 (0.06)	0.55	0.63 (0.03)	-0.17 (0.04)	-0.32 (0.05)
Age≥26	0.58	0.72 (0.04)	-0.23 (0.05)	-0.35 (0.06)	0.56	0.69 (0.03)	-0.20 (0.04)	-0.32 (0.05)
Below associate's degree	0.51	0.77 (0.06)	-0.18 (0.08)	-0.28 (0.10)	0.51	0.63 (0.05)	-0.12 (0.07)	-0.25 (0.10)
Associate's degree or higher	0.52	0.74 (0.03)	-0.18 (0.04)	-0.27 (0.05)	0.55	0.73 (0.03)	-0.24 (0.04)	-0.34 (0.04)
Married or cohabitating	0.53	0.80 (0.04)	-0.26 (0.06)	-0.34 (0.06)	0.48	0.75 (0.03)	-0.20 (0.05)	-0.26 (0.06)
Single	0.50	0.70 (0.04)	-0.14 (0.05)	-0.24 (0.06)	0.58	0.69 (0.03)	-0.22 (0.04)	-0.35 (0.05)
Fee scale								
101-150% FPL	0.43	0.75 (0.04)	-0.11 (0.05)	-0.17 (0.06)	0.43	0.66 (0.03)	-0.09 (0.04)	-0.16 (0.06)
151-200% FPL	0.50	0.71 (0.05)	-0.15 (0.07)	-0.22 (0.09)	0.57	0.69 (0.04)	-0.20 (0.06)	-0.31 (0.07)
201-250% FPL	0.58	0.76 (0.07)	-0.28 (0.10)	-0.37 (0.11)	0.66	0.68 (0.06)	-0.31 (0.08)	-0.47 (0.09)
250+% FPL	0.79	0.59 (0.08)	-0.32 (0.09)	-0.60 (0.10)	0.78	0.62 (0.06)	-0.38 (0.07)	-0.64 (0.08)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	0.50	0.75 (0.03)	-0.18 (0.05)	-0.28 (0.05)	0.51	0.74 (0.03)	-0.21 (0.04)	-0.30 (0.05)
Do not have a usual place for birth control	0.55	0.71 (0.05)	-0.21 (0.06)	-0.31 (0.08)	0.58	0.67 (0.04)	-0.22 (0.05)	-0.33 (0.06)
Using Tier 1 or 2 method	0.53	0.74 (0.03)	-0.19 (0.05)	-0.28 (0.06)	0.54	0.70 (0.03)	-0.22 (0.04)	-0.34 (0.05)
Not using Tier 1 or 2 method	0.52	0.70 (0.04)	-0.16 (0.05)	-0.31 (0.06)	0.57	0.62 (0.03)	-0.15 (0.04)	-0.27 (0.06)
Delayed getting birth control	0.45	0.90 (0.04)	-0.31 (0.06)	-0.33 (0.06)	0.56	0.77 (0.04)	-0.26 (0.06)	-0.35 (0.07)
Did not delay getting birth control	0.54	0.68 (0.03)	-0.17 (0.05)	-0.27 (0.06)	0.53	0.68 (0.03)	-0.19 (0.04)	-0.30 (0.05)
Positive desire to have a baby	0.52	0.68 (0.06)	-0.11 (0.08)	-0.18 (0.11)	0.58	0.56 (0.05)	-0.07 (0.07)	-0.20 (0.11)
Negative desire to have a baby	0.52	0.75 (0.03)	-0.21 (0.04)	-0.31 (0.05)	0.52	0.75 (0.02)	-0.23 (0.04)	-0.33 (0.04)
More likely to meet career aspirations	0.54	0.80 (0.05)	-0.25 (0.07)	-0.33 (0.09)	0.56	0.66 (0.04)	-0.19 (0.06)	-0.35 (0.07)
Less likely to meet career aspirations	0.51	0.73 (0.03)	-0.18 (0.04)	-0.27 (0.05)	0.53	0.71 (0.03)	-0.22 (0.04)	-0.31 (0.05)
C. Exploratory								
Planning to get a LARC before appointment	0.37	0.77 (0.06)	-0.09 (0.10)	-0.18 (0.11)	0.42	0.83 (0.05)	-0.27 (0.08)	-0.34 (0.08)
Not planing to get a LARC before appointment	0.54	0.70 (0.03)	-0.18 (0.04)	-0.28 (0.05)	0.57	0.63 (0.02)	-0.17 (0.03)	-0.30 (0.04)



E. Days covered by purchased contraception

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on temporal coverage	184	0.72 (0.03)	186 (48)	280 (66)	145	0.66 (0.02)	328 ++ (41)	503 ++ (57)
A. Pre-specified demographic groups								
Non-Hispanic White	202	0.73 (0.03)	210 (61)	296 (85)	174	0.69 (0.03)	338 (53)	473 (68)
Non-Hispanic Black	85	0.60 (0.09)	100 (72)	191 (100)	95	0.49 (0.07)	56 (88)	184 (101)
Hispanic any race	250	0.72 (0.08)	56 (134)	61 (180)	92	0.63 (0.07)	444 ++ (121)	585 ++ (149)
Women without children	206	0.74 (0.03)	168 (53)	241 (71)	150	0.66 (0.02)	315 ++ (44)	475 ++ (61)
Mothers	83	0.62 (0.07)	254 (125)	417 (145)	116	0.70 (0.06)	432 (107)	561 (160)
Age<26	176	0.71 (0.04)	187 (58)	272 (89)	141	0.63 (0.03)	291 (54)	411 (74)
Age≥26	194	0.72 (0.04)	182 (78)	295 (103)	152	0.69 (0.03)	366 + (63)	568 + (86)
Below associate's degree	145	0.77 (0.06)	227 (106)	318 (122)	75	0.63 (0.05)	264 (64)	450 (92)
Associate's degree or higher	180	0.74 (0.03)	212 (55)	308 (75)	175	0.73 (0.03)	355 + (55)	498 + (74)
Married or cohabitating	127	0.80 (0.04)	377 (77)	470 (93)	210	0.75 (0.03)	249 (73)	337 (91)
Single	206	0.70 (0.04)	114 (65)	178 (98)	125	0.69 (0.03)	397 +++ (61)	591 +++ (85)
Fee scale								
101-150% FPL	140	0.75 (0.04)	215 (57)	284 (67)	152	0.66 (0.03)	295 (57)	437 (78)
151-200% FPL	288	0.71 (0.05)	71 (114)	151 (153)	170	0.69 (0.04)	243 (76)	353 (103)
201-250% FPL	130	0.76 (0.07)	413 (137)	692 (216)	120	0.68 (0.06)	474 (129)	674 (150)
250+% FPL	187	0.59 (0.08)	38 (119)	51 (217)	107	0.62 (0.06)	442 ++ (127)	807 ++ (198)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	136	0.75 (0.03)	271 (60)	370 (75)	128	0.74 (0.03)	376 (59)	511 (76)
Do not have a usual place for birth control	268	0.71 (0.05)	113 (95)	152 (140)	190	0.67 (0.04)	281 (73)	460 + (100)
Using Tier 1 or 2 method	129	0.74 (0.03)	222 (50)	297 (61)	150	0.70 (0.03)	317 (54)	442 (70)
Not using Tier 1 or 2 method	264	0.70 (0.04)	145 (88)	275 (121)	136	0.62 (0.03)	356 + (65)	605 ++ (96)
Delayed getting birth control	314	0.90 (0.04)	322 (133)	357 (148)	127	0.77 (0.04)	527 (97)	688 + (118)
Did not delay getting birth control	126	0.68 (0.03)	194 (46)	279 (62)	167	0.68 (0.03)	248 (50)	369 (68)
Positive desire to have a baby	175	0.68 (0.06)	68 (98)	172 (133)	116	0.56 (0.05)	250 (89)	476 (172)
Negative desire to have a baby	180	0.75 (0.03)	256 (63)	366 (82)	189	0.75 (0.02)	345 (58)	472 (75)
More likely to meet career aspirations	158	0.80 (0.05)	142 (92)	199 (119)	179	0.66 (0.04)	244 (85)	345 (105)
Less likely to meet career aspirations	188	0.73 (0.03)	221 (61)	321 (82)	147	0.71 (0.03)	376 + (55)	534 + (74)
C. Exploratory								
Planning to get a LARC before appointment	911	0.77 (0.06)	289 (253)	411 (301)	644	0.83 (0.05)	839 + (193)	930 (208)
Not planing to get a LARC before appointment	74	0.70 (0.03)	156 (25)	228 (31)	78	0.63 (0.02)	212 (29)	357 ++ (43)

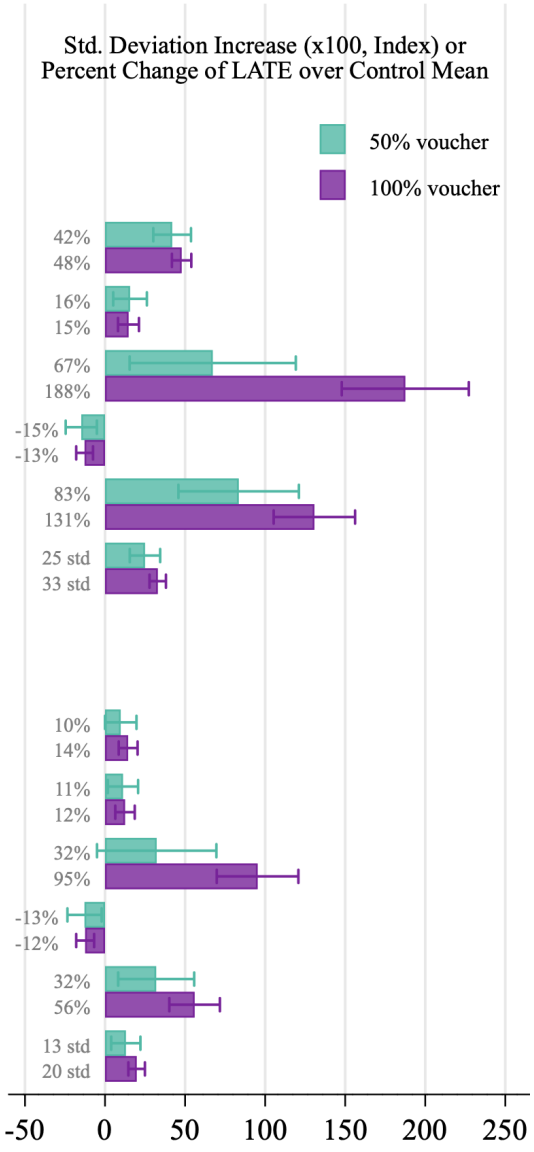


Notes: Standard errors are presented in parentheses below the coefficients. The figure on the right plots the percent change of LATE over the control mean with the 95% confidence intervals. +++, ++ and + indicate that the 100% effect is statistically different from the 50% effect at the 1, 5, and 10% levels, respectively.

Section A3. Alternative first stage dependent variable: Voucher dollars spent

Appendix Table A3.1. Treatment Effects of Receiving a Voucher on Contraceptive Efficacy

	50% Voucher Group			100% Voucher Group			
	Control mean	ITT effect	LATE	Control mean	ITT effect		LATE
A. Contraceptive efficacy within 100 days of enrollment							
First stage: Voucher $ Spent		109.62 (6.42)			150.30 (8.65)	+++	
PPMI charges in dollars	300	181 (25)	126 (18)	287	270 (22)	+++	137 (9)
Any birth control purchase	0.52	0.18 (0.04)	0.08 (0.03)	0.48	0.19 (0.03)		0.07 (0.02)
LARC insertion	0.07	0.05 (0.02)	0.05 (0.02)	0.04	0.14 (0.02)	+++	0.08 (0.01)
Expected annual pregnancies	0.52	-0.17 (0.03)	-0.08 (0.03)	0.55	-0.19 (0.03)		-0.07 (0.01)
Temporal coverage	184	186 (48)	154 (35)	145	328 (41)	++	190 (19)
Index of contraceptive efficacy	0.00	0.39 (0.07)	0.25 (0.05)	0.00	0.65 (0.06)	+++	0.33 (0.03)
B. Contraceptive efficacy within two years of enrollment							
First stage: Voucher $ Spent		109.62 (6.42)			150.30 (8.65)	+++	
PPMI charges in dollars	596	120 (41)	58 (30)	561	191 (33)		81 (17)
Any birth control purchase	0.57	0.15 (0.04)	0.06 (0.03)	0.52	0.18 (0.03)		0.06 (0.02)
LARC insertion	0.11	0.03 (0.03)	0.04 (0.02)	0.08	0.12 (0.02)	++	0.07 (0.01)
Expected annual pregnancies	0.47	-0.14 (0.03)	-0.06 (0.03)	0.52	-0.17 (0.03)		-0.06 (0.01)
Temporal coverage	350	135 (56)	112 (42)	283	265 (46)	+	158 (23)
Index of contraceptive efficacy	0.00	0.23 (0.06)	0.13 (0.05)	0.00	0.41 (0.06)	++	0.20 (0.03)

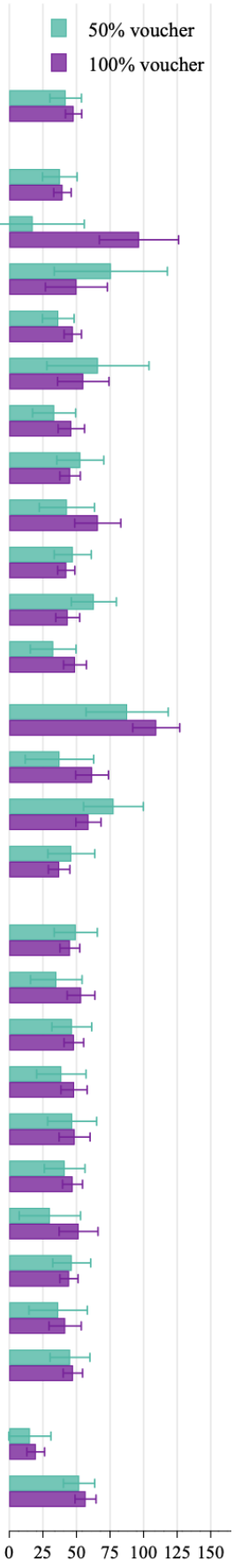


Notes: Panel A presents the estimated treatment effects using equation 1 for participants up to 100 days after enrollment when the voucher expired; panel B presents the estimated treatment effects for participants at two years after enrollment. +++, ++ and + indicate that the 100% effect is statistically different from the 50% effect at the 1, 5, and 10% levels, respectively.

Appendix Table A3.2. Heterogeneity in the Treatment Effects of Receiving a Voucher on the Five Primary Outcomes

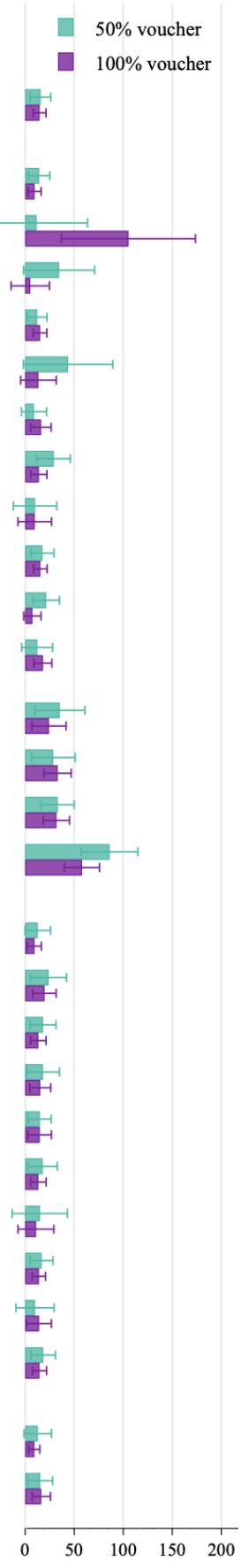
A. PPMI charges in dollars

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on PPMI charges	300	110 (6)	181 (25)	126 (18)	287	150 (9)	270 +++ (22)	137 (9)
A. Pre-specified demographic groups								
Non-Hispanic White	309	120 (8)	200 (32)	116 (20)	308	168 (11)	281 + (28)	122 (10)
Non-Hispanic Black	279	80 (21)	90 (54)	48 (55)	238	64 (15)	137 (51)	230 ++ (36)
Hispanic any race	310	81 (13)	158 (72)	235 (67)	270	132 (27)	316 (70)	135 (32)
Women without children	311	118 (7)	184 (27)	113 (19)	286	156 (10)	274 ++ (24)	135 (9)
Mothers	271	60 (11)	131 (70)	179 (53)	301	125 (22)	268 (59)	166 (29)
Age<26	309	107 (9)	159 (34)	103 (25)	281	129 (11)	229 (28)	130 (14)
Age≥26	290	110 (10)	206 (37)	153 (26)	296	169 (13)	308 ++ (34)	134 (12)
Below associate's degree	265	107 (14)	176 (52)	114 (28)	254	112 (16)	243 (47)	167 (22)
Associate's degree or higher	300	117 (8)	211 (30)	142 (21)	299	176 (11)	305 ++ (29)	127 (10)
Married or cohabitating	268	129 (11)	276 (43)	169 (23)	296	162 (14)	285 (38)	129 (13)
Single	311	104 (9)	153 (34)	101 (27)	287	165 (14)	297 +++ (33)	140 (12)
Fee scale								
101-150% FPL	312	61 (4)	157 (34)	274 (49)	307	75 (5)	249 ++ (32)	336 (27)
151-200% FPL	358	109 (11)	134 (59)	134 (47)	295	152 (14)	273 + (44)	182 (18)
201-250% FPL	241	190 (24)	358 (70)	187 (27)	244	259 (32)	361 (65)	144 (12)
250+% FPL	203	203 (30)	186 (49)	94 (18)	257	271 (39)	254 (54)	95 (11)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	283	115 (9)	219 (34)	140 (23)	285	180 (15)	309 + (33)	128 (11)
Do not have a usual place for birth control	331	117 (12)	174 (46)	116 (32)	295	146 (13)	272 + (37)	158 (16)
Using Tier 1 or 2 method	276	121 (9)	201 (31)	129 (21)	283	164 (13)	291 ++ (31)	136 (11)
Not using Tier 1 or 2 method	336	99 (10)	159 (42)	130 (32)	288	141 (13)	259 + (31)	139 (14)
Delayed getting birth control	346	138 (15)	277 (60)	162 (32)	297	183 (18)	353 (48)	144 (18)
Did not delay getting birth control	280	104 (8)	181 (30)	115 (22)	287	155 (12)	270 ++ (29)	135 (11)
Positive desire to have a baby	305	92 (13)	89 (50)	92 (36)	277	126 (20)	215 + (45)	143 (20)
Negative desire to have a baby	293	121 (9)	229 (33)	136 (21)	295	175 (12)	302 + (30)	131 (10)
More likely to meet career aspirations	293	122 (15)	216 (59)	106 (33)	312	145 (17)	237 (47)	129 (19)
Less likely to meet career aspirations	301	112 (8)	195 (31)	136 (23)	282	165 (11)	314 +++ (29)	133 (10)
C. Exploratory								
Planning to get a LARC before appointment	649	132 (18)	98 (110)	99 (52)	516	341 (30)	473 +++ (83)	101 (17)
Not planing to get a LARC before appointment	247	104 (7)	186 (21)	128 (15)	256	119 (8)	225 (20)	145 (10)



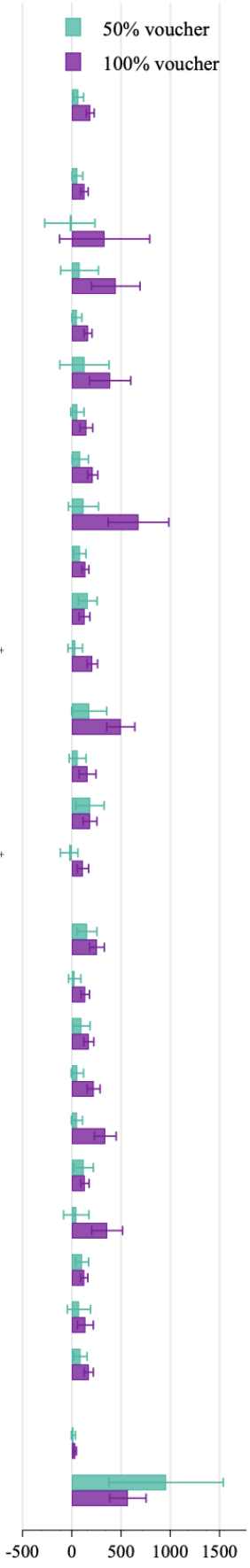
B. Any birth control purchase

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on any birth control purchase	0.52	110 (6)	0.18 (0.04)	0.08 (0.03)	0.48	150 (9)	0.19 (0.03)	0.07 (0.02)
A. Pre-specified demographic groups								
Non-Hispanic White	0.53	120 (8)	0.19 (0.04)	0.07 (0.03)	0.52	168 (11)	0.17 (0.04)	0.05 (0.02)
Non-Hispanic Black	0.45	80 (21)	0.14 (0.12)	0.05 (0.12)	0.35	64 (15)	0.21 (0.09)	0.37 (0.12)
Hispanic any race	0.60	81 (13)	0.10 (0.11)	0.21 (0.11)	0.55	132 (27)	0.18 (0.10)	0.03 (0.05)
Women without children	0.55	118 (7)	0.18 (0.04)	0.07 (0.03)	0.47	156 (10)	0.20 (0.03)	0.07 (0.02)
Mothers	0.40	60 (11)	0.16 (0.10)	0.18 (0.09)	0.55	125 (22)	0.13 (0.09)	0.07 (0.05)
Age<26	0.58	107 (9)	0.13 (0.05)	0.05 (0.04)	0.49	129 (11)	0.18 (0.04)	0.08 (0.03)
Age≥26	0.45	110 (10)	0.24 (0.06)	0.13 (0.04)	0.48	169 (13)	0.21 (0.05)	0.07 (0.02)
Below associate's degree	0.53	107 (14)	0.19 (0.09)	0.05 (0.06)	0.53	112 (16)	0.12 (0.08)	0.05 (0.05)
Associate's degree or higher	0.52	117 (8)	0.20 (0.04)	0.09 (0.03)	0.49	176 (11)	0.25 (0.04)	0.08 (0.02)
Married or cohabitating	0.50	129 (11)	0.28 (0.06)	0.11 (0.03)	0.57	162 (14)	0.20 (0.05)	0.04 (0.03)
Single	0.54	104 (9)	0.15 (0.05)	0.07 (0.04)	0.45	165 (14)	0.23 (0.04)	0.08 (0.02)
Fee scale								
101-150% FPL	0.62	61 (4)	0.11 (0.05)	0.22 (0.08)	0.62	75 (5)	0.08 (0.05)	0.15 (0.06)
151-200% FPL	0.54	109 (11)	0.15 (0.08)	0.15 (0.06)	0.47	152 (14)	0.21 (0.06)	0.15 (0.03)
201-250% FPL	0.45	190 (24)	0.30 (0.11)	0.15 (0.04)	0.36	259 (32)	0.32 (0.08)	0.12 (0.02)
250+% FPL	0.22	203 (30)	0.35 (0.10)	0.19 (0.03)	0.24	271 (39)	0.41 (0.08)	0.14 (0.02)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	0.54	115 (9)	0.19 (0.05)	0.07 (0.04)	0.53	180 (15)	0.22 (0.05)	0.05 (0.02)
Do not have a usual place for birth control	0.48	117 (12)	0.23 (0.07)	0.12 (0.05)	0.45	146 (13)	0.23 (0.05)	0.09 (0.03)
Using Tier 1 or 2 method	0.51	121 (9)	0.20 (0.05)	0.09 (0.03)	0.50	164 (13)	0.23 (0.04)	0.07 (0.02)
Not using Tier 1 or 2 method	0.51	99 (10)	0.17 (0.06)	0.09 (0.04)	0.47	141 (13)	0.15 (0.05)	0.07 (0.03)
Delayed getting birth control	0.59	138 (15)	0.32 (0.07)	0.09 (0.04)	0.47	183 (18)	0.27 (0.06)	0.07 (0.03)
Did not delay getting birth control	0.49	104 (8)	0.18 (0.05)	0.09 (0.04)	0.51	155 (12)	0.20 (0.04)	0.07 (0.02)
Positive desire to have a baby	0.53	92 (13)	0.12 (0.09)	0.08 (0.08)	0.46	126 (20)	0.06 (0.08)	0.05 (0.04)
Negative desire to have a baby	0.51	121 (9)	0.22 (0.05)	0.09 (0.03)	0.52	175 (12)	0.24 (0.04)	0.07 (0.02)
More likely to meet career aspirations	0.50	122 (15)	0.26 (0.08)	0.05 (0.05)	0.47	145 (17)	0.20 (0.06)	0.07 (0.03)
Less likely to meet career aspirations	0.53	112 (8)	0.19 (0.05)	0.10 (0.03)	0.51	165 (11)	0.22 (0.04)	0.07 (0.02)
C. Exploratory								
Planning to get a LARC before appointment	0.64	132 (18)	0.10 (0.10)	0.08 (0.05)	0.60	341 (30)	0.25 (0.08)	0.06 (0.02)
Not planing to get a LARC before appointment	0.50	104 (7)	0.19 (0.04)	0.08 (0.03)	0.47	119 (8)	0.18 (0.03)	0.08 (0.02)



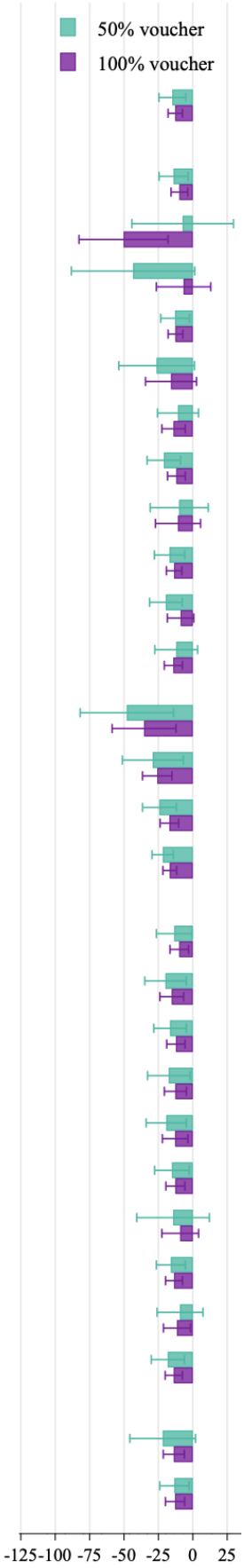
C. LARC insertion

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on larc insertion	0.07	110 (6)	0.05 (0.02)	0.05 (0.02)	0.04	150 (9)	0.14 +++ (0.02)	0.08 (0.01)
A. Pre-specified demographic groups								
Non-Hispanic White	0.08	120 (8)	0.06 (0.03)	0.04 (0.02)	0.06	168 (11)	0.15 ++ (0.03)	0.07 (0.01)
Non-Hispanic Black	0.03	80 (21)	0.01 (0.04)	-0.01 (0.03)	0.02	64 (15)	0.01 (0.04)	0.06 (0.04)
Hispanic any race	0.10	81 (13)	0.03 (0.07)	0.08 (0.09)	0.02	132 (27)	0.21 + (0.06)	0.10 (0.03)
Women without children	0.08	118 (7)	0.05 (0.03)	0.04 (0.02)	0.05	156 (10)	0.13 ++ (0.02)	0.07 (0.01)
Mothers	0.04	60 (11)	0.07 (0.06)	0.05 (0.05)	0.03	125 (22)	0.19 (0.05)	0.12 (0.03)
Age<26	0.08	107 (9)	0.05 (0.03)	0.04 (0.03)	0.04	129 (11)	0.12 + (0.03)	0.07 (0.01)
Age≥26	0.06	110 (10)	0.06 (0.03)	0.05 (0.03)	0.04	169 (13)	0.16 ++ (0.03)	0.09 (0.01)
Below associate's degree	0.04	107 (14)	0.11 (0.05)	0.05 (0.03)	0.01	112 (16)	0.13 (0.04)	0.10 (0.02)
Associate's degree or higher	0.07	117 (8)	0.06 (0.03)	0.06 (0.02)	0.05	176 (11)	0.15 ++ (0.03)	0.07 (0.01)
Married or cohabitating	0.05	129 (11)	0.14 (0.04)	0.08 (0.03)	0.05	162 (14)	0.13 (0.04)	0.07 (0.01)
Single	0.07	104 (9)	0.03 (0.03)	0.02 (0.03)	0.04	165 (14)	0.16 +++ (0.03)	0.09 ++ (0.01)
Fee scale								
101-150% FPL	0.05	61 (4)	0.05 (0.03)	0.09 (0.05)	0.04	75 (5)	0.14 ++ (0.03)	0.20 + (0.03)
151-200% FPL	0.11	109 (11)	0.05 (0.05)	0.06 (0.05)	0.05	152 (14)	0.11 (0.04)	0.07 (0.02)
201-250% FPL	0.05	190 (24)	0.14 (0.07)	0.09 (0.04)	0.05	259 (32)	0.22 (0.06)	0.08 (0.02)
250+% FPL	0.07	203 (30)	-0.02 (0.05)	-0.02 (0.03)	0.04	271 (39)	0.12 ++ (0.05)	0.05 ++ (0.01)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	0.05	115 (9)	0.10 (0.03)	0.07 (0.02)	0.03	180 (15)	0.17 + (0.03)	0.08 (0.01)
Do not have a usual place for birth control	0.11	117 (12)	0.04 (0.05)	0.03 (0.03)	0.07	146 (13)	0.12 (0.03)	0.09 (0.02)
Using Tier 1 or 2 method	0.05	121 (9)	0.05 (0.03)	0.04 (0.02)	0.04	164 (13)	0.13 ++ (0.03)	0.07 (0.01)
Not using Tier 1 or 2 method	0.10	99 (10)	0.06 (0.04)	0.06 (0.03)	0.04	141 (13)	0.16 + (0.03)	0.09 (0.01)
Delayed getting birth control	0.13	138 (15)	0.11 (0.06)	0.07 (0.04)	0.03	183 (18)	0.25 + (0.04)	0.11 (0.02)
Did not delay getting birth control	0.04	104 (8)	0.07 (0.03)	0.05 (0.02)	0.05	155 (12)	0.11 (0.03)	0.07 (0.01)
Positive desire to have a baby	0.05	92 (13)	0.00 (0.04)	0.02 (0.03)	0.02	126 (20)	0.09 (0.04)	0.08 (0.02)
Negative desire to have a baby	0.07	121 (9)	0.10 (0.03)	0.07 (0.02)	0.06	175 (12)	0.15 (0.03)	0.07 (0.01)
More likely to meet career aspirations	0.06	122 (15)	0.05 (0.05)	0.05 (0.04)	0.05	145 (17)	0.11 (0.04)	0.06 (0.02)
Less likely to meet career aspirations	0.07	112 (8)	0.07 (0.03)	0.06 (0.02)	0.05	165 (11)	0.17 ++ (0.03)	0.08 (0.01)
C. Exploratory								
Planning to get a LARC before appointment	0.50	132 (18)	0.06 (0.11)	0.08 (0.05)	0.29	341 (30)	0.46 +++ (0.08)	0.10 (0.02)
Not planing to get a LARC before appointment	0.00	104 (7)	0.04 (0.01)	0.03 (0.01)	0.01	119 (8)	0.07 (0.01)	0.06 (0.01)



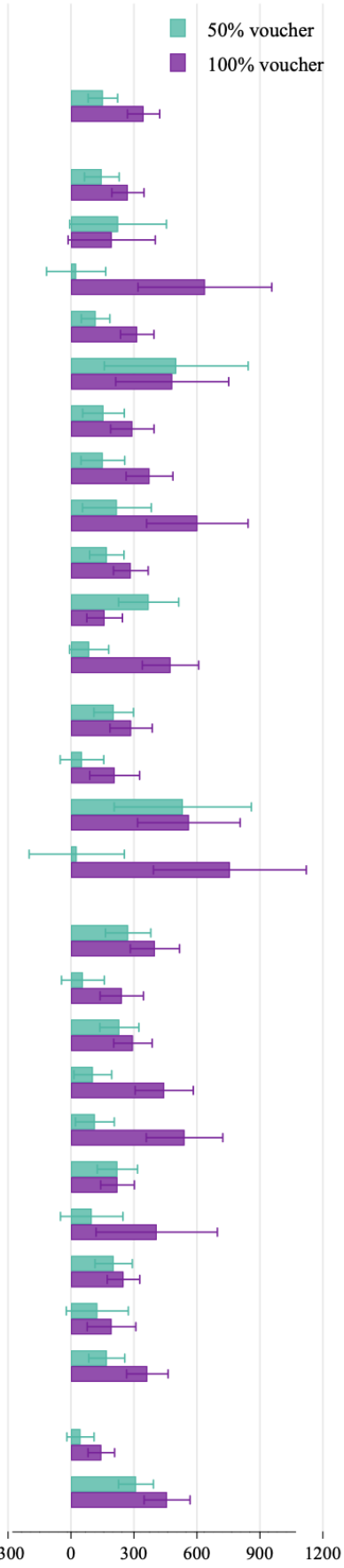
D. Expected annual pregnancies

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on expected annual pregnancies	0.52	110 (6)	-0.17 (0.03)	-0.08 (0.03)	0.55	150 (9)	-0.19 (0.03)	-0.07 (0.01)
A. Pre-specified demographic groups								
Non-Hispanic White	0.51	120 (8)	-0.18 (0.04)	-0.07 (0.03)	0.52	168 (11)	-0.17 (0.03)	-0.05 (0.02)
Non-Hispanic Black	0.58	80 (21)	-0.13 (0.11)	-0.04 (0.11)	0.68	64 (15)	-0.20 (0.09)	-0.34+ (0.11)
Hispanic any race	0.45	81 (13)	-0.09 (0.10)	-0.19 (0.10)	0.50	132 (27)	-0.18 (0.09)	-0.03 (0.05)
Women without children	0.49	118 (7)	-0.17 (0.04)	-0.06 (0.03)	0.56	156 (10)	-0.20 (0.03)	-0.07 (0.02)
Mothers	0.63	60 (11)	-0.15 (0.10)	-0.16 (0.09)	0.50	125 (22)	-0.14 (0.08)	-0.08 (0.05)
Age<26	0.46	107 (9)	-0.12 (0.05)	-0.05 (0.04)	0.55	129 (11)	-0.17 (0.04)	-0.08 (0.02)
Age≥26	0.58	110 (10)	-0.23 (0.05)	-0.12 (0.04)	0.56	169 (13)	-0.20 (0.04)	-0.07 (0.02)
Below associate's degree	0.51	107 (14)	-0.18 (0.08)	-0.05 (0.05)	0.51	112 (16)	-0.12 (0.07)	-0.05 (0.04)
Associate's degree or higher	0.52	117 (8)	-0.18 (0.04)	-0.09 (0.03)	0.55	176 (11)	-0.24 (0.04)	-0.07 (0.02)
Married or cohabitating	0.53	129 (11)	-0.26 (0.06)	-0.10 (0.03)	0.48	162 (14)	-0.20 (0.05)	-0.04 (0.02)
Single	0.50	104 (9)	-0.14 (0.05)	-0.06 (0.04)	0.58	165 (14)	-0.22 (0.04)	-0.08 (0.02)
Fee scale								
101-150% FPL	0.43	61 (4)	-0.11 (0.05)	-0.21 (0.07)	0.43	75 (5)	-0.09 (0.04)	-0.15 (0.05)
151-200% FPL	0.50	109 (11)	-0.15 (0.07)	-0.15 (0.06)	0.57	152 (14)	-0.20 (0.06)	-0.15 (0.03)
201-250% FPL	0.58	190 (24)	-0.28 (0.10)	-0.14 (0.04)	0.66	259 (32)	-0.31 (0.08)	-0.11 (0.02)
250+% FPL	0.79	203 (30)	-0.32 (0.09)	-0.17 (0.03)	0.78	271 (39)	-0.38 (0.07)	-0.13 (0.02)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	0.50	115 (9)	-0.18 (0.05)	-0.07 (0.03)	0.51	180 (15)	-0.21 (0.04)	-0.05 (0.02)
Do not have a usual place for birth control	0.55	117 (12)	-0.21 (0.06)	-0.11 (0.04)	0.58	146 (13)	-0.22 (0.05)	-0.09 (0.03)
Using Tier 1 or 2 method	0.53	121 (9)	-0.19 (0.05)	-0.09 (0.03)	0.54	164 (13)	-0.22 (0.04)	-0.07 (0.02)
Not using Tier 1 or 2 method	0.52	99 (10)	-0.16 (0.05)	-0.09 (0.04)	0.57	141 (13)	-0.15 (0.04)	-0.07 (0.02)
Delayed getting birth control	0.45	138 (15)	-0.31 (0.06)	-0.09 (0.03)	0.56	183 (18)	-0.26 (0.06)	-0.07 (0.03)
Did not delay getting birth control	0.54	104 (8)	-0.17 (0.05)	-0.08 (0.03)	0.53	155 (12)	-0.19 (0.04)	-0.07 (0.02)
Positive desire to have a baby	0.52	92 (13)	-0.11 (0.08)	-0.07 (0.07)	0.58	126 (20)	-0.07 (0.07)	-0.05 (0.04)
Negative desire to have a baby	0.52	121 (9)	-0.21 (0.04)	-0.08 (0.03)	0.52	175 (12)	-0.23 (0.04)	-0.07 (0.02)
More likely to meet career aspirations	0.54	122 (15)	-0.25 (0.07)	-0.05 (0.05)	0.56	145 (17)	-0.19 (0.06)	-0.06 (0.03)
Less likely to meet career aspirations	0.51	112 (8)	-0.18 (0.04)	-0.09 (0.03)	0.53	165 (11)	-0.22 (0.04)	-0.07 (0.02)
C. Exploratory								
Planning to get a LARC before appointment	0.37	132 (18)	-0.09 (0.10)	-0.08 (0.05)	0.42	341 (30)	-0.27 (0.08)	-0.06 (0.02)
Not planing to get a LARC before appointment	0.54	104 (7)	-0.18 (0.04)	-0.07 (0.03)	0.57	119 (8)	-0.17 (0.03)	-0.07 (0.02)



E. Days covered by purchased contraception

	50% Voucher Group				100% Voucher Group			
	Control mean	First stage	ITT effect	LATE	Control mean	First stage	ITT effect	LATE
Overall effect on temporal coverage	184	0.72 (0.03)	186 (48)	280 (66)	145	0.66 (0.02)	328 ++ (41)	503 ++ (57)
A. Pre-specified demographic groups								
Non-Hispanic White	202	0.73 (0.03)	210 (61)	296 (85)	174	0.69 (0.03)	338 (53)	473 (68)
Non-Hispanic Black	85	0.60 (0.09)	100 (72)	191 (100)	95	0.49 (0.07)	56 (88)	184 (101)
Hispanic any race	250	0.72 (0.08)	56 (134)	61 (180)	92	0.63 (0.07)	444 ++ (121)	585 ++ (149)
Women without children	206	0.74 (0.03)	168 (53)	241 (71)	150	0.66 (0.02)	315 ++ (44)	475 ++ (61)
Mothers	83	0.62 (0.07)	254 (125)	417 (145)	116	0.70 (0.06)	432 (107)	561 (160)
Age<26	176	0.71 (0.04)	187 (58)	272 (89)	141	0.63 (0.03)	291 (54)	411 (74)
Age≥26	194	0.72 (0.04)	182 (78)	295 (103)	152	0.69 (0.03)	366 + (63)	568 + (86)
Below associate's degree	145	0.77 (0.06)	227 (106)	318 (122)	75	0.63 (0.05)	264 (64)	450 (92)
Associate's degree or higher	180	0.74 (0.03)	212 (55)	308 (75)	175	0.73 (0.03)	355 + (55)	498 + (74)
Married or cohabitating	127	0.80 (0.04)	377 (77)	470 (93)	210	0.75 (0.03)	249 (73)	337 (91)
Single	206	0.70 (0.04)	114 (65)	178 (98)	125	0.69 (0.03)	397 +++ (61)	591 +++ (85)
Fee scale								
101-150% FPL	140	0.75 (0.04)	215 (57)	284 (67)	152	0.66 (0.03)	295 (57)	437 (78)
151-200% FPL	288	0.71 (0.05)	71 (114)	151 (153)	170	0.69 (0.04)	243 (76)	353 (103)
201-250% FPL	130	0.76 (0.07)	413 (137)	692 (216)	120	0.68 (0.06)	474 (129)	674 (150)
250+% FPL	187	0.59 (0.08)	38 (119)	51 (217)	107	0.62 (0.06)	442 ++ (127)	807 ++ (198)
B. Pre-specified pre-randomization categories								
Have a usual place for birth control	136	0.75 (0.03)	271 (60)	370 (75)	128	0.74 (0.03)	376 (59)	511 (76)
Do not have a usual place for birth control	268	0.71 (0.05)	113 (95)	152 (140)	190	0.67 (0.04)	281 (73)	460 + (100)
Using Tier 1 or 2 method	129	0.74 (0.03)	222 (50)	297 (61)	150	0.70 (0.03)	317 (54)	442 (70)
Not using Tier 1 or 2 method	264	0.70 (0.04)	145 (88)	275 (121)	136	0.62 (0.03)	356 + (65)	605 ++ (96)
Delayed getting birth control	314	0.90 (0.04)	322 (133)	357 (148)	127	0.77 (0.04)	527 (97)	688 + (118)
Did not delay getting birth control	126	0.68 (0.03)	194 (46)	279 (62)	167	0.68 (0.03)	248 (50)	369 (68)
Positive desire to have a baby	175	0.68 (0.06)	68 (98)	172 (133)	116	0.56 (0.05)	250 (89)	476 (172)
Negative desire to have a baby	180	0.75 (0.03)	256 (63)	366 (82)	189	0.75 (0.02)	345 (58)	472 (75)
More likely to meet career aspirations	158	0.80 (0.05)	142 (92)	199 (119)	179	0.66 (0.04)	244 (85)	345 (105)
Less likely to meet career aspirations	188	0.73 (0.03)	221 (61)	321 (82)	147	0.71 (0.03)	376 + (55)	534 + (74)
C. Exploratory								
Planning to get a LARC before appointment	911	0.77 (0.06)	289 (253)	411 (301)	644	0.83 (0.05)	839 + (193)	930 (208)
Not planing to get a LARC before appointment	74	0.70 (0.03)	156 (25)	228 (31)	78	0.63 (0.02)	212 (29)	357 ++ (43)



Notes: Standard errors are presented in parentheses below the coefficients. The figure on the right plots the percent change of LATE over the control mean with the 95% confidence intervals. +++, ++ and + indicate that the 100% effect is statistically different from the 50% effect at the 1, 5, and 10% levels, respectively.